BIOMEDICAL OPTICS

U N I V E R S I T Y O F U T A H

CENTER

The goal of the Center for Biomedical Optics is to commercialize optical technologies for diagnostic, therapeutic and disease risk assessment in medicine. Recent advances in novel light sources, laser materials and laser spectroscopy make these optical techniques highly attractive for novel, non-invasive assessment as well as therapeutic treatment of disease.

TECHNOLOGY

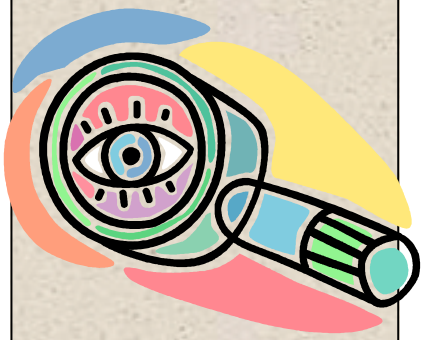
The Center's technologies include Resonant Raman Scattering detection of carotenoid antioxidants in human tissue and a novel light source for biomedical spectroscopy.

ACCOMPLISHMENTS

Nutriscan, Inc. was formed during the second year of COEP and in September of 2002, Raman detection technology was licensed to Cardoderm, Inc. In this funding cycle, a contract was obtained with Yale University from NIH to develop Raman technology for use in cancer epidemiology and also achieved Raman imaging of living human tissue and continued integrating novel, fiber-based light sources into instrumentation prototypes.

THINK TANK

What if there was...



A non-invasive optical laser technique that can detect and treat cancerous cells in the skin or mucosal tissue??

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